

SECTION 2: FORM PTO 1449 - MODIFIED

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R. Tallent

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Johnson, et al. Atty Dkt: 2204/C01
 Serial No: Not yet assigned 09/933315 Date: August 20, 2001
 Date Filed: Herewith 8/20/01
 Invention: Optical Logic Devices Based on Stable, Non-Absorbing Optical Hard Limiters

Commissioner for Patents
 Washington, DC 20231

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS'
 INFORMATION DISCLOSURE STATEMENT

U.S. Documents

Exam. Ref. <u>Init.</u>	Ref. No. <u>Number</u>	Document <u>Name</u>	Issue Date	<u>Name</u>	<u>Class</u>
<u>AC</u> - AA	4,128,300		Dec. 5, 1978	Stotts, et al.	350/96.14
<u>AC</u> - AB	4,262,992		Apr. 21, 1981	Berthold, III	350/96.14
<u>AC</u> AC	4,573,767		Mar. 4, 1986	Jewell	350/354
<u>AC</u> AD	4,764,889		Aug. 16, 1988	Hinton, et al.	364/807
<u>AC</u> AE	4,864,536		Sept. 5, 1989	Lindmayer	365/119
<u>AC</u> AF	4,894,818		Jan. 16, 1990	Fujioka, et al.	370/3
<u>AC</u> AG	4,930,873		Jun. 5, 1990	Hunter	350/354
<u>AC</u> AH	4,932,739		Jun. 12, 1990	Islam	350/96.15
<u>AC</u> AI	4,962,987		Oct. 16, 1990	Doran	350/96.15
<u>AC</u> AJ	4,992,654		Feb. 12, 1991	Crossland, et al.	250/213
<u>AC</u> AK	5,078,464		Jan. 7, 1992	Islam	385/122
<u>AC</u> AL	5,144,375		Sept. 1, 1992	Gabriel, et al.	356/345
<u>AC</u> AM	5,315,422		May 24, 1994	Utaka, et al.	359/107
<u>AC</u> AN	5,349,593		Sept. 20, 1994	Lomashevitch, et al.	372/50
<u>AC</u> AO	5,461,507		Oct. 24, 1995	Westland, et al.	359/289
<u>AC</u> AP	5,479,384		Dec. 26, 1995	Toth, et. al.	364/14
<u>AC</u> AQ	5,488,501		Jan. 30, 1996	Barnsley	359/137
<u>AC</u> AR	5,537,243		Jul. 16, 1996	Fatehi, et al.	359/541

<i>Aa</i>	AS	5,67,232	Apr. 1, 1997	Takemori	359/108
<i>Aa</i> -AT		5,623,366	Apr. 22, 1997	Hait	359/577
<i>Aa</i> -AU		5,655,039	Aug. 5, 1997	Evans	385/27
<i>Aa</i> -AV		5,739,933	Apr. 14, 1998	Dembeck, et al.	359/117
<i>Aa</i> -AW		5,831,731	Nov. 3, 1998	Hall, et al.	356/345
<i>Aa</i> -AX		5,999,283	Dec. 7, 1999	Roberts, et al.	359/108
<i>Aa</i> -AY		5,999,284	Dec. 7, 1999	Roberts	359/108
<i>Aa</i> -AZ		6,005,791	Dec. 21, 1999	Gudsen, et al.	365/114
<i>Aa</i> -BA		6,041,126	Mar. 21, 2000	Terai, et al.	381/71.6
<i>Aa</i> -BB		6,044,341	Mar. 28, 2000	Takahashi	704/226

Other Documents

Exam. Ref.

Init. No. Name

Aa BC ✓ "Wave propagation in nonlinear photonic band-gap materials" Li, et. al., Physical Review B: Condensed Matter Vol. 53, No. 23, 15577-15585 (15 June 1996).

Aa BD ✓ "The Interaction of Electromagnetic Radiation with Magnetic Media"
http://www.qub.ac.uk/mp/con/magnetics_group/magnetooptics.html.

Aa BE ✓ "Three-Dimensional Arrays in Polymer Nanocomposites" Kumacheva, et al., Advanced Material, 1999, 11, No. 3.

Aa BF ✓ "Intergrable, Low-Cost, All-Optical WDM Signal Processing: Narrowband Hard Limiters and Analog-to-Digital Converters" Sargent, et al., Jan. 2000.

Aa BG ✓ "Nonlinear Distributed Feedback Structures for Optical Sensor Protection" Brzozowski, et al., April 2000.

Aa BH ✓ "Optical Signal Processing Using Nonlinear Distributed Feedback Structures" Brzozowski, et al., IEEE Journal of Quantum Electronics, Vol. 36, No. 5, May 2000.

Aa BI ✓ "All-Optical Analog-to-Digital Converter for Photonic Networks Using Multilevel Signaling" Brzozowski, et al., June, 2000

Aa BJ ✓ "Photonic Crystals for Intergrated Optical Computing" Brzozowski, et al., June 2000.

Aa BK ✓ "Nonlinear distributed-feedback structures as passive optical limiters" Brzozowski, et al., J. Opt. Soc. Am B, Vol. 17, No. 8, August 2000.

Aa BL ✓ "Stability of Periodic Nonlinear Optical Structures for Limiting and Logic", Brzozowski, et al., Sept 2000.

Aa BM ✓ "Transmission Regimes of Periodic Nonlinear Optical Structures" Pelinovsky, Dmitry, Rapid Communications, Physical Review E, Volume 62, Number 4, October 2000.

Aa BN ✓ "Nonlinear Disordered Media for Broad-Band Optical Limiting" Brzozowski, et al., IEEE Journal of Quantum Electronics, Vol. 36, No. 11, November 2000.

Aa BO ✓ "Realization of All-Optical Ultrafast Logic Gates Using Triple Core Asymmetric Nonlinear Directional Coupler", Natasa Trivunac-Vukovic, Journal of Optical Communications, 2001.

Aa BP ✓ "All-Optical Analog-to Digital Converters, Hardlimiters, and Logic Gates", Brzozowski, et al., Journal of Lightwave Technology, Vol. 19, No. 1, January 2001.

Aa BQ ✓ "Stable All-Optical Limiting in Nonlinear Periodic Structures", Pelinovsky, et al., February 8, 2001.

An BR "All-Optical Signal Processing and Packet Forwarding Using Nonmonotonic Intensity Transfer Characteristics", Johnson, E.V., A thesis submitted in conformity with the requirements for the degree of Master of Applied Science Graduate Department of electrical and Computer Engineering Univeristy of Toronto, 2001.

Examiner: Juel C. Favaas

Date Considered: 12/6/02

NOTE FOR EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance AND not considered. Include copy of this form with next communication to applicant.

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